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No. 219

DEPARTMENT OF COMMERCE

BUREAU OF STANDARDS

George K. Burgess, Director

CIRCULAR OF THE BUREAU OF STANDARDS, No. 219

[Issued May 22, 1925]

UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR
RUBBER BANDAGES

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 219

This specification was officially promulgated by the Federal Specifications Board on November 5, 1924, for the use of the Departments and Independent Establishments of the Government in the purchase of rubber bandages.

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I. TYPE

Bandages shall be of a single type as described below.

II. MATERIAL AND WORKMANSHIP

Bandages shall have a smooth surface finish and be free from in-grained particles, blisters, or other imperfections.

III. GENERAL REQUIREMENTS

Bandages shall be $2\frac{1}{2}$ inches wide, 4 yards long, and 0.014 ± 0.002 inch thick. A reinforcing strip of rubberized cloth $2\frac{1}{2}$ by $2\frac{1}{2}$ inches, to which two tying tapes shall be sewed, shall be securely attached to one end of bandage. Tying tapes shall be of best quality herringbone 10 inches long and one-half inch wide.

IV. DETAIL REQUIREMENTS

1. RUBBER CONTENT.—The rubber compound shall contain not less than 95 per cent by volume of best quality new wild or plantation rubber.

2. ASH.—The rubber compound shall show not more than 5 per cent of ash on ignition.

3. TENSILE STRENGTH.—The tensile strength shall be not less than 1,800 pounds per square inch. Tests shall be made within 30 days from date of delivery.

4. ULTIMATE ELONGATION.—The ultimate elongation shall be not less than 800 per cent (1 inch to 9 inches).

5. RESISTANCE TO HOT AIR.—Samples shall be aged in a drying oven in circulating air at 70° C. for seven days. Twenty-four hours after removal the tensile strength shall not decrease more than 50 per cent.

V. SAMPLING

One bandage shall be selected from each 100 or less delivered for test and analysis.

VI. PACKING AND MARKING

Bandages shall be packed and marked as called for in the proposal.

VII. ADDITIONAL INFORMATION

No details specified.

VIII. GENERAL SPECIFICATIONS

General Specifications for Rubber Goods, F. S. B. Specification No. 59, in effect on date of issuance of proposal, shall form part of this proposal.

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